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S U M M A R Y
OF
Accidents - Incidents
Reported to the
C A N A D I A N T R A N S P O R T C O M M I S S I O N
Year 1981
Prepared
for
R A I L W A Y T R A N S P O R T C O M M I T T E E
by
S A F E T Y A N D S E R V I C E S B R A N C H

OTTAWA, Canada

1982

INTRODUCTION

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and where including

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INTRODUCTION

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SECTION 1

SUMMARY OF ACCIDENTS

<u>1.1 GENERAL</u>	<u>1974</u>	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>
a) <u>Number of Accidents</u>	5,306	5,073	4,703	4,284	4,578	4,591	4,316	4,347
b) <u>Casualties</u>								
i) <u>Passengers</u>								
killed	1	-	1	-	-	-	-	1
injured	813	484	523	324	420	400	334	460
ii) <u>Employees</u>								
killed	24	23	8	7	9	10	10	8
injured	2,855	2,764	2,940	2,754	2,909	3,358	3,137	3,141
iii) <u>Others</u>								
killed	236	164	173	134	143	141	179	143
injured	681	627	590	403	437	453	428	404
TOTAL								
killed	261	187	182	141	152	151	191	152
injured	4,349	3,875	4,053	3,481	3,766	4,211	3,899	4,005
c) <u>Classification Groups</u>								
Collisions	73	82	64	63	81	66	97	115
Derailments	427	358	332	320	300	350	303	350
Crossing Accidents	1,074	982	923	877	871	937	826	763
Track Motor Accidents	60	50	39	55	55	48	60	55
Fires	492	534	63*	37*	11*	17*	13*	46*
Train Service	79	42	84	52	51	47	32	27
Personal Injuries	2,990	2,941	3,148	2,810	3,157	3,044	2,808	2,882
Trespassing Accidents	87	112	84	82	105	82	177	109

* Figures do not include right-of-way fires, see page 12.

SECTION 2

COLLISIONS*

2.1 <u>GENERAL</u>	1974	1975	1976	1977	1978	1979	1980	1981
a) <u>Total Number</u>	73	82	64	63	81	66	97	115
b) <u>Casualties</u>								
killed	8	-	1	1	-	3	1	3
injured	347	75	83	88	-	72	61	57
2.2 <u>CANADIAN NATIONAL</u>								
a) <u>Total Number</u>	39	49	38	40	50	46	47	72
b) <u>Casualties</u>								
killed	7	1	1	-	-	1	-	3
injured	325	51	70	84	81	48	31	36
2.3 <u>CANADIAN PACIFIC</u>								
a) <u>Total Number</u>	29	30	22	21	14	29	44	39
b) <u>Casualties</u>								
killed	-	-	-	1	-	2	1	-
injured	17	19	8	4	-	15	21	20
2.4 <u>ALGOMA CENTRAL</u>								
a) <u>Total Number</u>	-	-	-	-	1	3	5	2
b) <u>Casualties</u>								
killed	-	-	-	-	-	-	-	-
injured	-	-	-	-	-	8	9	1
2.5 <u>NORTHERN ALBERTA</u>								
a) <u>Total Number</u>	-	-	-	-	1	-	1	-
b) <u>Casualties</u>								
killed	-	-	-	-	-	-	-	-
injured	-	-	-	-	2	-	-	-

* Figures do not include track motor car accidents.

2.6 <u>BURLINGTON NORTHERN</u>	<u>1974</u>	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>
a) <u>Total Number</u>	1	-	2	1	-	-	-	-
b) <u>Casualties</u>								
killed	-	-	-	-	-	-	-	-
injured	1	-	5	-	-	-	-	-
2.7 <u>CHESAPEAKE & OHIO</u>								
a) <u>Total Number</u>	2	3	-	-	-	1	-	2
b) <u>Casualties</u>								
killed	-	-	-	-	-	-	-	-
injured	2	5	-	-	-	1	-	-
2.8 <u>ESSEX TERMINALS</u>								
a) <u>Total Number</u>	-	-	-	-	-	-	-	-
b) <u>Casualties</u>								
killed	-	-	-	-	-	-	-	-
injured	-	-	-	-	-	-	-	-
2.9 <u>QUEBEC NORTH SHORE & LABRADOR</u>								
a) <u>Total Number</u>	1	-	2	1	-	1	-	-
b) <u>Casualties</u>								
killed	1	-	-	-	-	-	-	-
injured	1	-	-	-	-	-	-	-
2.10 <u>DOMINION ATLANTIC</u>								
a) <u>Total Number</u>	1	-	-	-	-	-	-	-
b) <u>Casualties</u>								
killed	-	-	-	-	-	-	-	-
injured	1	-	-	-	-	-	-	-

SECTION 3

DERAILMENTS*

<u>3.1 GENERAL</u>	<u>1974</u>	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>
a) <u>Number of Derailments</u>	427	358	332	320	300	350	303	350
b) <u>Casualties</u>								
killed	3	3	2	1	2	3	-	-
injured	173	132	186	51	29	73	103	93
 <u>3.2 CANADIAN NATIONAL</u>								
a) <u>Total Number</u>	280	244	217	194	190	243	213	237
b) <u>Casualties</u>								
killed	1	3	-	1	2	-	-	-
injured	128	121	127	37	25	40	77	85
 <u>3.3 CANADIAN PACIFIC</u>								
a) <u>Total Number</u>	122	104	102	108	89	100	79	97
b) <u>Casualties</u>								
killed	2	-	2	-	-	1	-	-
injured	43	10	57	14	2	33	25	7
 <u>3.4 BURLINGTON NORTHERN</u>								
a) <u>Total Number</u>	5	3	2	-	2	1	-	1
b) <u>Casualties</u>								
killed	-	-	-	-	-	-	-	-
injured	-	-	-	-	2	-	-	-
 <u>3.5 CONRAIL</u>								
a) <u>Total Number</u>	1	2	-	4	2	-	-	-
b) <u>Casualties</u>								
killed	-	-	-	-	-	-	-	-
injured	-	-	-	-	2	-	-	-

* Figures do not include track motor car accidents

3.6	<u>NORTHERN ALBERTA</u>	<u>1974</u>	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>
a)	<u>Total Number</u>	1	-	4	3	1	1	-	-
b)	<u>Casualties</u>								
	killed	-	-	-	-	-	-	-	-
	injured	1	-	-	-	-	-	-	-
3.7	<u>ALGOMA CENTRAL</u>								
a)	<u>Total Number</u>	4	-	4	4	10	1	5	3
b)	<u>Casualties</u>								
	killed	-	-	-	-	-	-	-	-
	injured	1	-	-	-	-	-	1	-
3.8	<u>CHESAPEAKE & OHIO</u>								
a)	<u>Total Number</u>	1	4	1	3	2	-	2	7
b)	<u>Casualties</u>								
	killed	-	-	-	-	-	-	-	-
	injured	-	1	-	-	-	-	-	1
3.9	<u>TORONTO, HAMILTON & BUFFALO</u>								
a)	<u>Total Number</u>	-	-	-	-	-	-	-	-
b)	<u>Casualties</u>								
	killed	-	-	-	-	-	-	-	-
	injured	-	-	-	-	-	-	-	-
3.10	<u>QUEBEC NORTH SHORE & LABRADOR</u>								
a)	<u>Total Number</u>	7	1	2	4	3	2	2	4
b)	<u>Casualties</u>								
	killed	-	-	-	-	-	-	-	-
	injured	-	-	-	-	-	-	-	-
3.11	<u>WHITE PASS & YUKON</u>								
a)	<u>Total Number</u>	-	-	-	-	1	1	-	-
b)	<u>Casualties</u>								
	killed	-	-	-	-	-	-	-	-
	injured	-	-	-	-	-	-	-	-

3.12 <u>TORONTO TERMINAL RAILWAY COMPANY</u>	<u>1974</u>	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>
a) <u>Total Number</u>	-	-	-	-	-	-	1	-
b) <u>Casualties</u>								
killed	-	-	-	-	-	-	-	-
injured	-	-	-	-	-	-	-	-
3.13 <u>DEVCO</u>								
a) <u>Total Number</u>	-	-	-	-	-	-	-	-
b) <u>Casualties</u>								
killed	-	-	-	-	-	-	-	-
injured	-	-	-	-	-	-	-	-
3.14 <u>ARNAUD</u>								
a) <u>Total Number</u>	1	-	-	-	-	-	-	-
b) <u>Casualties</u>								
killed	-	-	-	-	-	-	-	-
injured	-	-	-	-	-	-	-	-
3.15 <u>B.C. HYDRO</u>								
a) <u>Total Number</u>	1	-	-	-	-	-	-	-
b) <u>Casualties</u>								
killed	-	-	-	-	-	-	-	-
injured	-	-	-	-	-	-	-	-
3.16 <u>ESSEX, TERMINALS</u>								
a) <u>Total Number</u>	2	-	-	-	-	1	-	-
b) <u>Casualties</u>								
killed	-	-	-	-	-	-	-	-
injured	-	-	-	-	-	-	-	-
3.17 <u>GRAND FALLS</u>								
a) <u>Total Number</u>	1	-	-	-	-	-	-	-
b) <u>Casualties</u>								
killed	-	-	-	-	-	-	-	-
injured	-	-	-	-	-	-	-	-

	<u>1974</u>	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>
<u>3.18 QUEBEC CENTRAL</u>								
a) <u>Total Number</u>	1	-	1	-	-	-	-	-
b) <u>Casualties</u>								
killed	-	-	-	-	-	-	-	-
injured	-	-	2	-	-	-	-	-
<u>3.19 ONTARIO NORTHLAND</u>								
a) <u>Total Number</u>	-	-	-	-	-	-	1	-
b) <u>Casualties</u>								
killed	-	-	-	-	-	-	-	-
injured	-	-	-	-	-	-	-	-
<u>3.20 NAPIERVILLE JUNCTION</u>								
a) <u>Total Number</u>	-	-	-	-	-	-	-	1
b) <u>Casualties</u>								
killed	-	-	-	-	-	-	-	-
injured	-	-	-	-	-	-	-	-

- SECTION 4

CROSSING ACCIDENTS

4.1 <u>GENERAL</u>	<u>1974</u>	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>
a) <u>Number of Accidents</u>	1,074	982	923	877	871	937	826	763
b) <u>Casualty Accidents</u>	472	419	428	359	336	394	352	318
c) <u>Non-Casualty Accidents</u>	602	563	495	518	535	543	474	445

4.2 CASUALTIES

a) <u>Killed</u>								
Motor Vehicle Occupants	109	94	106	80	87	90	70	78
Railway Employees	-	-	-	1	2	-	1	1
Railway Passengers	-	-	-	-	-	-	-	-
Pedestrians	<u>5</u>	<u>5</u>	<u>2</u>	<u>6</u>	<u>-</u>	<u>8</u>	<u>12</u>	<u>3</u>
TOTAL	114	99	108	87	89	98	83	82
b) <u>Injuries</u>								
Motor Vehicle Occupants	553	514	458	389	374	402	341	355
Railway Employees	54	37	57	42	35	39	40	42
Railway Passengers	48	13	7	19	6	3	45	51
Pedestrians	<u>9</u>	<u>2</u>	<u>2</u>	<u>3</u>	<u>-</u>	<u>8</u>	<u>9</u>	<u>3</u>
TOTAL	664	566	524	453	415	452	435	451

4.3 TYPE OF CROSSINGS

a) <u>Casualty Accidents</u>								
Public Crossings	396	372	375	318	298	350	318	287
Private Crossings	63	36	43	32	28	37	27	25
Farm Crossings	13	11	10	9	10	7	7	6
b) <u>Non-Casualty Accidents</u>								
Public Crossings	602	563	495	518	521	525	459	436
Private Crossings	-	-	-	-	14	18	10	4
Farm Crossings	-	-	-	-	-	-	5	5

SECTION 5

TRACK MOTOR CAR ACCIDENTS

<u>5.1 GENERAL</u>	<u>1974</u>	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>
a) <u>Number of accidents</u>	60	50	39	55	55	48	60	55
b) <u>Casualties</u>								
Killed	2	2	1	-	1	-	2	2
injured	106	83	77	63	29	78	77	69
<u>5.2 COLLISIONS WITH TRAINS</u>								
a) <u>Total Number</u>	29	14	24	39	24	14	29	26
b) <u>Casualties</u>								
Killed	1	-	1	-	1	-	2	1
injured	32	9	35	19	21	14	22	28
c) <u>Canadian National</u>								
(i) <u>Number</u>	20	10	21	25	14	10	15	16
(ii) <u>Casualties</u>								
killed	1	-	1	-	1	-	1	0
injured	29	5	30	7	16	6	19	16
d) <u>Canadian Pacific</u>								
(i) <u>Number</u>	3	3	2	11	7	2	12	8
(ii) <u>Casualties</u>								
killed	-	-	-	-	1	-	1	1
injured	3	2	2	11	1	1	7	9
e) <u>Northern Alberta</u>								
(i) <u>Number</u>	-	-	-	-	-	-	-	-
(ii) <u>Casualties</u>								
killed	-	-	-	-	-	-	-	-
injured	-	-	-	-	-	-	-	-
f) <u>Algoma Central</u>								
(i) <u>Number</u>	-	1	-	3	1	2	1	1
(ii) <u>Casualties</u>								
killed	-	-	-	-	-	-	-	-
injured	-	2	-	1	-	7	1	3
g) <u>British Columbia</u>								
<u>Yukon Railway</u>								
(i) <u>Number</u>	-	-	1	-	-	-	-	-
(ii) <u>Casualties</u>								
killed	-	-	-	-	-	-	-	-
injured	-	-	3	-	-	-	-	-

h) <u>The Chesapeake & Ohio Rail Co.</u>								
(i) Number	<u>1974</u>	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>
(ii) Casualties	-	-	-	-	1	-	-	-
killed	-	-	-	-	-	-	-	-
injured	-	-	-	-	4	-	-	-
i) <u>Burlington Northern</u>								
(i) Number	1	-	-	-	-	-	1	-
(ii) Casualties	-	-	-	-	-	-	-	-
killed	-	-	-	-	-	-	-	-
injured	-	-	-	-	-	-	5	-
j) <u>QNS&L</u>								
(i) Number	-	-	-	-	1	-	-	-
(ii) Casualties	-	-	-	-	-	-	-	-
killed	-	-	-	-	-	-	-	-
injured	-	-	-	-	-	-	-	-
k) <u>Nipissing Central</u>								
(i) Number	-	-	-	-	-	-	-	1
(ii) Casualties	-	-	-	-	-	-	-	-
killed	-	-	-	-	-	-	-	-
injured	-	-	-	-	-	-	-	-

5.3 COLLISION WITH OTHER TRACK
MOTOR CARS

a) <u>Total Number</u>	16	22	10	6	12	13	9	19
b) <u>Casualties</u>								
Killed	1	2	-	-	-	-	-	-
injured	34	50	30	19	5	30	23	30
c) <u>Canadian National</u>								
(i) Number	11	15	6	6	8	6	5	15
(ii) Casualties	-	-	-	-	-	-	-	-
killed	1	-	-	-	-	-	-	-
injured	18	21	12	19	5	11	14	26
d) <u>Canadian Pacific</u>								
(i) Number	5	6	4	-	4	6	2	4
(ii) Casualties	-	-	-	-	-	-	-	-
killed	-	2	-	-	-	-	-	-
injured	16	27	18	-	-	18	7	4
e) <u>Algoma Central</u>								
(i) Number	-	1	-	-	-	-	1	-
(ii) Casualties	-	-	-	-	-	-	-	-
killed	-	-	-	-	-	-	-	-
injured	-	2	-	-	-	-	1	-
f) <u>Northern Alberta</u>								
(i) Number	-	-	-	-	-	1	1	-
(ii) Casualties	-	-	-	-	-	-	-	-
killed	-	-	-	-	-	-	-	-
injured	-	-	-	-	-	1	1	-

5.4 DERAILMENT OF TRACK
MOTOR CARS

	1974	1975	1976	1977	1978	1979	1980	1981
a) <u>Total Number</u>	27	14	5	10	19	21	22	10
b) <u>Casualties</u>								
killed	-	-	-	-	-	1	-	1
injured	40	24	12	25	3	34	32	11
c) <u>Canadian National</u>								
(i) Number	12	9	2	9	11	8	3	2
(ii) Casualties								
killed	-	-	-	-	-	1	-	-
injured	17	15	5	16	1	17	7	2
d) <u>Canadian Pacific</u>								
(i) Number	13	5	2	12	8	8	18	5
(ii) Casualties								
killed	-	-	-	-	-	-	-	-
injured	19	8	6	9	2	10	24	6
e) <u>Algoma Central</u>								
(i) Number	-	-	1	-	-	1	-	2
(ii) Casualties								
killed	-	-	-	-	-	-	-	-
injured	-	-	1	-	-	6	-	3
f) <u>Devco</u>								
(i) Number	-	-	-	-	-	-	-	-
(ii) Casualties								
killed	-	-	-	-	-	-	-	-
injured	-	-	-	-	-	-	-	-
g) <u>Northern Alberta</u>								
(i) Number	-	-	-	-	-	1	1	-
(ii) Casualties								
killed	-	-	-	-	-	-	-	-
injured	-	-	-	-	-	1	1	-
h) <u>White Pass & Yukon</u>								
(i) Number	1	-	-	-	-	-	-	1
(ii) Casualties								
killed	-	-	-	-	-	-	-	1
injured	2	-	-	-	-	-	-	-
i) <u>Grand River</u>								
(i) Number	1	-	-	-	-	-	-	-
(ii) Casualties								
killed	-	-	-	-	-	-	-	-
injured	2	-	-	-	-	-	-	-
j) <u>Dominion Atlantic</u>								
(i) Number	-	1	-	-	-	-	-	-
(ii) Casualties								
killed	-	-	-	-	-	-	-	-
injured	-	1	-	-	-	-	-	-

SECTION 6

FIRES

<u>6.1 GENERAL</u>	<u>1974</u>	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>
a) <u>Total Number of Fires</u>	492	534	502	450	240	246	229	235
(i) Fires on Right of Way	444	498	439	413	229	229	216	189
(ii) Fires other than Right of Way	48	36	63	37	11	17	13	46
b) <u>Casualties</u>								
killed	-	-	-	-	-	-	-	-
injured	6	2	-	-	-	-	-	3

SECTION 7

DANGEROUS COMMODITIES

7.1 GENERAL

Incidents involving the transportation of dangerous commodities other than in train accidents.

	<u>1974</u>	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>
<u>Total Incidents</u>	37	31	31	30	47	51	107	157
<u>Casualties</u>								
killed	-	-	-	-	-	-	-	-
injured	-	-	8	1	1	6	23	1

7.2 Train accidents where dangerous commodities made up all or a portion of a train consist and were directly involved in a mishap which resulted in loss of lading, damage to equipment, loss of man hours or contamination of the environment.

	<u>1974</u>	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>
a) <u>Deraillments</u>	31	30	33	36	43	42	65	131
<u>Casualties</u>								
killed	-	-	-	-	-	-	-	-
injured	-	-	-	-	7	2	-	1
b) <u>Collisions</u>	7	6	7	7	14	17	44	57
<u>Casualties</u>								
killed	-	-	-	-	-	-	-	-
injured	-	-	-	-	-	-	-	-
c) <u>Crossings</u>	2	-	3	1	-	2	11	3
<u>Casualties</u>								
killed	-	-	-	-	-	-	4	-
injured	-	-	-	-	-	-	2	2

SECTION 8

MISCELLANEOUS TRAIN SERVICE

ACCIDENTS

8.1 <u>GENERAL</u>	<u>1974</u>	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>
a) <u>Number of Accidents</u>	79	42	84	52	51	48	32	27
b) <u>Casualties</u>								
killed	-	2	-	2	5	5	6	4
injured	17	15	13	3	29	46	25	24
8.2 <u>ACCIDENTS BY RAILWAYS</u>								
Canadian National	46	25	40	25	25	24	17	13
Canadian Pacific	30	14	39	25	22	18	14	11
Norfolk & Western	-	-	-	-	-	1	-	-
Algoma Central	-	2	2	1	1	2	-	-
Lake Erie Northern Railroad	-	-	-	-	-	-	-	-
Northern Alberta	2	-	1	-	-	1	1	-
Quebec North Shore & Labrador	1	1	1	-	-	-	-	1
Devco	-	-	-	-	-	-	-	-
Penn Central	-	-	-	-	-	-	-	-
Chesapeake & Ohio	-	-	-	1	-	1	-	1
Dominion Atlantic	-	-	1	-	2	1	-	-
Conrail	-	-	-	-	1	-	-	-
Essex Terminal Railway	-	-	-	-	-	-	-	1

SECTION 9

PERSONAL INJURIES

9.1	<u>GENERAL</u>	<u>1974</u>	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>
a)	<u>Number of Incidents</u>	2,990	2,941	3,148	2,810	3,157	3,044	2,808	2,882
9.3	<u>TRESPASSERS</u>								
a)	<u>Number of Accidents</u>	87	112	84	82	105	82	177	109
b)	<u>Casualties</u>								
	killed	55	59	32	44	54	51	97	58
	injured	48	65	52	38	51	34	80	46

